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 <211> 8  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative SMAD/SMAD3.01 motif

<400> 20  
 gtctggac 8

<210> 21  
 <211> 13  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative RORA/RORA1.01 motif

<400> 21  
 agaccaagggt caa 13





<400> 26  
 tgcagcgacc acaccagtgg c 21

<210> 27  
 <211> 6  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <223> Putative HAML/AML1.01 motif

<400> 27  
 tgtggt 6

<210> 28  
 <211> 16  
 <212> DNA  
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 <220>  
 <223> Putative OAZF/ROAZ.01 motif

<400> 28  
 ctgcagcaaaa ggggtgt 16

<210> 29  
 <211> 8  
 <212> DNA  
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 <220>  
 <223> Putative MZF1/MZF1.01 motif

<400> 29  
 gttgggga 8

<210> 30  
 <211> 15  
 <212> DNA  
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 <220>  
 <223> Putative ETSF/ETS1.01 motif

<400> 30  
 ccaggaactg gtttc 15

<210> 31  
 <211> 10  
 <212> DNA  
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<223> Putative RPOA/DTYPEPA.01 motif

<400> 31

tccatgaaac

10

<210> 32

<211> 9

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$ 

<223> Putative STAT/STAT.01 motif

<400> 32

ttcatggaa

9

<210> 33

<211> 12

<212> DNA

<213> Homo sapiens

<220>

<223> Putative MYT1/MYT1.01 motif

<400> 33

aaaaattgtc tt

12

<210> 34

<211> 12

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$ 

<223> Putative NFAT/NFAT.01 motif

<400> 34

ccatggaaaa at

12

<210> 35

<211> 15

<212> DNA

<213> Homo sapiens

<220>

<223> Putative SRFF/SRF.03 motif

<400> 35

accatccatg gaaaa

15

<210> 36

<211> 10  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative CLOX/CDPCR3HD.01 motif

<400> 36  
 catggatggt 10

<210> 37  
 <211> 21  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative MINI/MUSCLE\_INI.03 motif

<400> 37  
 ccaccccccc acccaccacc a 21

<210> 38  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative RREB/RREB1.01 motif

<400> 38  
 cccacccac cacc 14

<210> 39  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative SP1F/SP1.01 motif

<400> 39  
 ggtgggtggg ggg 13

<210> 40  
 <211> 13  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative EGRF/WT1.01 motif

<400> 40  
 ggggtggggg gtg 13



<400> 45  
tctaggttgc gtgctt 16

<210> 46  
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<212> DNA  
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<220>  
<223> Putative FKHD/XFD3.01 motif

<400> 46  
attgtcaaca gaac 14

<210> 47  
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<213> Homo sapiens

<220>  
<223> Putative SORY/SOX9.01 motif

<400> 47  
tggtgacaat aggg 14

<210> 48  
<211> 15  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative CREB/TAXCREB.01 motif

<400> 48  
tagggttcac gctcc 15

<210> 49  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative PAX6/PAX6.01 motif

<400> 49  
agggttcacg ctcttatgaa a 21

<210> 50  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative E2FF/E2F.03 motif

<400> 50  
gagcgtgaac cct

13

<210> 51  
<211> 16  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative AHRR/AHRARNT.01 motif

<400> 51  
tcataggagc gtgaac

16

<210> 52  
<211> 14  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative OCT1/OCT1.05 motif

<400> 52  
ctgcattaga tttt

14

<210> 53  
<211> 18  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative AP4R/AP4.03 motif

<400> 53  
taatgcagct gctgatct

18

<210> 54  
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<220>  
<223> Putative MYOD/MYF5.01 motif

<400> 54  
atgcagctgc tg

12

<210> 55

<211> 14  
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<220>  
 <223> Putative SP1F/GC.01 motif

<400> 55  
 aagaggcgga gctt

14

<210> 56  
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 <213> Homo sapiens

<220>  
 <223> Putative EGRF/WT1.01 motif

<400> 56  
 ggggtgggtga gca

13

<210> 57  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative VMYB/VMYB.02 motif

<400> 57  
 agcaacggg

9

<210> 58  
 <211> 20  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative PERO/PPARA.01 motif

<400> 58  
 tcctgagagg ccacaggcca

20

<210> 59  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative HNF4/HNF4.01 motif

<400> 59  
 aggccacagg ccag

14

<210> 60  
 <211> 16  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative B2TF/E2.01 motif

<400> 60  
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16

<210> 61  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative RREB/RREB1.01 motif

<400> 61  
 ccccaaaccg

14

<210> 62  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative GKLF/GKLF.01 motif

<400> 62  
 caataaagca gggg

14

<210> 63  
 <211> 12  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative CLOX/CDP.01 motif

<400> 63  
 ccaataaagc ag

12

<210> 64  
 <211> 8  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative RPOA/LPOLYA.01 motif



<400> 64  
caataaag

8

<210> 65  
<211> 30  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative HOXF/HOX1-3.01 motif

<400> 65  
tttattggac ataattatta ggctcgtgttc

30

<210> 66  
<211> 11  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative ECAT/NFY.02 motif

<400> 66  
tgtccaataa a

11

<210> 67  
<211> 12  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative PCAT/CAAT.01 motif

<400> 67  
tatgtccaat aa

12

<210> 68  
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<213> Homo sapiens

<220>  
<223> Putative HMYO/S8.01 motif

<400> 68  
tggacataat tattag

16

<210> 69  
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<212> DNA  
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<220>  
<223> Putative NKHX/NKX25.02 motif

<400> 69  
cataatta

8

<210> 70  
<211> 26  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative GREF/PRE.01 motif

<400> 70  
atattattag gtcgtgttct ttttgg

26

<210> 71  
<211> 16  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative MEF2/MEF2.01 motif

<400> 71  
caccaaaaag aacacg

16

<210> 72  
<211> 8  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative EBOX/USF.02 motif

<400> 72  
ccacatgc

8

<210> 73  
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<212> DNA  
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<220>  
<223> Putative CDXF/CDX2.01 motif

<400> 73  
ggtgaatttt atggcatgt

19

<210> 74

<211> 18  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative MEF2/AMEF2.01 motif

<400> 74  
 tgccataaaa ttcacccc

18

<210> 75  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative RPOA/DTYPEPA.01 motif

<400> 75  
 gccataaaat

10

<210> 76  
 <211> 10  
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<220>  
 <223> Putative TBPF/TATA.02 motif

<400> 76  
 gccataaaat

10

<210> 77  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative EBOX/SREBP1.02 motif

<400> 77  
 attcacccca t

11

<210> 78  
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 <213> Homo sapiens

<220>  
 <223> Putative PIT1/PIT1.01 motif

<400> 78  
 aatcatacat

10

<210> 79  
 <211> 9  
 <212> DNA  
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<220>  
 <223> Putative AP1F/AP1.01 motif

<400> 79  
 atgaatcat

9

<210> 80  
 <211> 16  
 <212> DNA  
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<220>  
 <223> Putative HMYO/S8.01 motif

<400> 80  
 ggctttcaat tacact

16

<210> 81  
 <211> 15  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative OCTB/TST1.01 motif

<400> 81  
 tttcaattac actta

15

<210> 82  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative NKXH/NKX31.01 motif

<400> 82  
 ttttaagtgt aat

13

<210> 83  
 <211> 10  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative TBP/ATATA.01 motif

<400> 83  
ctttttaagt 10

<210> 84  
<211> 11  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative MYT1/MYT1.01 motif

<400> 84  
aaaaagttgt a 11

<210> 85  
<211> 19  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative CDXF/CDX2.01 motif

<400> 85  
tgatggtttt acaactttt 19

<210> 86  
<211> 30  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative HOXF/HOX1-3.01 motif

<400> 86  
ttgtaaaacc atcattacaa ttcaaattta 30

<210> 87  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative PDX1/PDX1.01 motif

<400> 87  
gtaaaaccat cattacaat 19

<210> 88  
<211> 10  
<212> DNA  
<213> Homo sapiens

<220>		
<223>	Putative SORY/SOX5.01 motif	
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	attacaattc	10
<210>	89	
<211>	15	
<212>	DNA	
<213>	Homo sapiens	
<220>		
<223>	Putative RPOA/APOLYA.01 motif	
<400>	89	
	actaaatttg aattg	15
<210>	90	
<211>	12	
<212>	DNA	
<213>	Homo sapiens	
<220>		
<223>	Putative MYT1/MYT1.01 motif	
<400>	90	
	taaatttgaa tt	12
<210>	91	
<211>	10	
<212>	DNA	
<213>	Homo sapiens	
<220>		
<223>	Putative OCT1/OCT1.02 motif	
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	gatggaaata	10
<210>	92	
<211>	14	
<212>	DNA	
<213>	Homo sapiens	
<220>		
<223>	Putative RREB/RREB1.01 motif	
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	ccccaaaaat cccc	14
<210>	93	

<211> 8  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative MZF1/MZF1.01 motif

<400> 93  
 cgagggga

8

<210> 94  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative PCAT/ACAAT.01 motif

<400> 94  
 cccccaatt

9

<210> 95  
 <211> 21  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative STAT/STAT3.01 motif

<400> 95  
 cccaatttca ggcaactact g

21

<210> 96  
 <211> 24  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative GFI1/GFI1.01 motif

<400> 96  
 aagacagaaa tcagaccagt agtt

24

<210> 97  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative 1RFF/ISRE.01 motif

<400> 97  
 cagaaaagga aagta

15

<210> 98  
 <211> 12  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative NFAT/NFAT.01 motif

<400> 98  
 aaaaggaaag ta

12

<210> 99  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative SRFF/SRF.02 motif

<400> 99  
 gtccagaaaa ggaa

14

<210> 100  
 <211> 10  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative RPOA/DTYPEPA.01 motif

<400> 100  
 tacattaaat

10

<210> 101  
 <211> 15  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative OCTP/OCT1P.01 motif

<400> 101  
 ctccatatac attaa

15

<210> 102  
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 <213> Homo sapiens

<220>  
 <223> Putative XSEC/STAF.01 motif



<400> 102  
gctaccccag atgccaaaga ct

22

<210> 103  
<211> 16  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative LYMF/TH1E47.01 motif

<400> 103  
tttggcatct ggggta

16

<210> 104  
<211> 30  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative HOXF/HOX1-3.01 motif

<400> 104  
agcaagtacg aatattagtc taccacctca

30

<210> 105  
<211> 15  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative OCTP/OCT1P.01 motif

<400> 105  
actaatattc gtact

15

<210> 106  
<211> 19  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative SEF1/SEF1.01 motif

<400> 106  
tttatgtgca tctgaggtg

19

<210> 107  
<211> 19  
<212> DNA  
<213> Homo sapiens

<220>  
 <223> Putative CDXF/CDX2.01 motif

<400> 107  
 taatattttt atgtgcatc 19

<210> 108  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative OCT1/OCT1.05 motif

<400> 108  
 aatattttta tgtg 14

<210> 109  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative OCT1/OCT1.05 motif

<400> 109  
 aaatattaca tacc 14

<210> 110  
 <211> 12  
 <212> DNA  
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<220>  
 <223> Putative CREB/E4BP4.01 motif

<400> 110  
 agatatgtaa ta 12

<210> 111  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative GATA/GATA.01 motif

<400> 111  
 agatatgtaa taat 14

<210> 112



<210> 117  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative MYOF/NF1.01 motif

<400> 117  
 tcttggtca gcgcaacc

18

<210> 118  
 <211> 17  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative XBBF/RFX1.01 motif

<400> 118  
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17

<210> 119  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative AP1F/NFE2.01 motif

<400> 119  
 ttggctcagc g

11

<210> 120  
 <211> 24  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative BRAC/BRACH.01 motif

<400> 120  
 agcctctcaa gtagctgaga ttac

24

<210> 121  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative TTFF/TF1.01 motif

<400> 121  
cctctcaagt agct 14

<210> 122  
<211> 28  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative AP1F/BEL1.01 motif

<400> 122  
tgggtgctgc ctgtaatctc agctactt 28

<210> 123  
<211> 10  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative GATA/GATA3.01 motif

<400> 123  
tgagattaca 10

<210> 124  
<211> 16  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative AHRR/AHRARNT.01 motif

<400> 124  
gtagtggtgc gtgcct 16

<210> 125  
<211> 16  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative MEF2/HMEF2.01 motif

<400> 125  
atataaaaat tagcca 16

<210> 126  
<211> 17  
<212> DNA  
<213> Homo sapiens

<220>  
 <223> Putative HNF1/HNF1.02 motif

<400> 126  
 ggctaatttt tatattt 17

<210> 127  
 <211> 15  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative TBP/TATA.01 motif

<400> 127  
 atataaaaat tagcc 15

<210> 128  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative FKHD/XFD2.01 motif

<400> 128  
 aatataaaaa ttag 14

<210> 129  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative OCT1/OCT1.05 motif

<400> 129  
 ctaattttta tatt 14

<210> 130  
 <211> 17  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative MEF2/RSRFC4.02 motif

<400> 130  
 ctactaaaaa tataaaa 17

<210> 131

[illegible][illegible][illegible][illegible]

**Figure 1**

(a)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(b)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(c)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(d)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(e)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(f)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(g)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(h)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(i)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(j)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(k)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(l)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(m)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(n)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(o)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(p)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(q)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(r)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(s)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(t)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(u)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(v)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(w)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(x)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(y)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

(z)  $\text{Fe}^{2+}$  concentration vs. time for various temperatures.

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

<210> 136  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative RARF/RAR.01 motif

<400> 136  
 aggtcaggag 10

<210> 137  
 <211> 13  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative RORA/RORA1.01 motif

<400> 137  
 cgtttgagggt cag 13

<210> 138  
 <211> 8  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative CREB/CREBP1CJUN.01 motif

<400> 138  
 tgacctca 8

<210> 139  
 <211> 9  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative LYMF/LYF1.01 motif

<400> 139  
 tttgggagg 9

<210> 140  
 <211> 32  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative HOBO/HOGNESS.01 motif



<400> 140  
ggcgggtggct cacgcctgta atcccagcac tt 32

<210> 141  
<211> 12  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative IKRS/IK2.01 motif

<400> 141  
tgctgggatt ac 12

<210> 142  
<211> 15  
<212> DNA  
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<220>  
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17

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11

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<223> Putative IKRS/IK2.01 motif

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<220>
<223> Putative XSEC/STAF.01 motif

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ggttcccaaa gtccagtagg tg
22

<210> 169

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21

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<220>

<223> Putative PAX5/PAX9.01 motif

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24

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<220>

<223> Putative SP1F/GC.01 motif

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14

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12

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17

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22

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9

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27

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13

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16

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23

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<220>  
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8

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15

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<220>  
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10

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10

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<220>  
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<223> Putative MEF2/MEF2.05 motif

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13

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14

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16

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<220>
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ctgtaccaga aactc                                 15

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<212> DNA
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<220>
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gtgtgggagg ctc                                  13

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<220>
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aggtcaccca                                       10

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<220>
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16

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14

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<220>  
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15

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<220>  
 <223> Putative RBIT/BRIGHT.01 motif

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13

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<220>  
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tttaattc 8

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<223> Putative GREF/PRE.01 motif

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<223> Putative RPOA/POLYA.01 motif

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gaacaaaaca acactatg 18

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actccagctt gggtgaga 18

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<223> Putative GFI1/GFI1.01 motif

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agtgtgcaa tcacagctca ttgc 24

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<223> Putative LYMF/LYF1.01 motif

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tttgggagg

9

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<220>  
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32

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12

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<220>  
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16

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<220>  
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12

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12

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17

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<220>  
 <223> Putative FKHD/FREAC2.01 motif

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16

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<220>  
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10

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<220>  
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18





<400> 330  
cacagctgta 10

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<220>  
<223> Putative GATA/GATA1.02 motif

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actgggataa tcca 14

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tagataaaca aaa 13

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<220>  
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<220>
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12

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ggaatgacga tc
12

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<220>
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tcgtcattcc att
13

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<220>
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12

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<212> DNA
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<220>
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ccattttctct ctgtatat
18

<210> 340

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<220>  
 <223> Putative NFAT/NFAT.01 motif

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<220>  
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<220>  
 <223> Putative OCT1/OCT1.02 motif

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<220>  
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<220>  
 <223> Putative PIT11/PIT1.01 motif

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<220>  
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10

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<220>  
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14

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<220>  
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 aaaaaaaaaa tcagtgcagg aaat

24

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<220>  
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11

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<220>  
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gatcatgccca c 11

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<220>  
<223> Putative PAX3/PAX3.01 motif

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tcggctcgct gca 13

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<220>  
<223> Putative HEAT/HSF1.01 motif

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agaagaatcg 10

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<220>  
<223> Putative XSEC/STAF.02 motif

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gagtaccatc atgcccggct a 21

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<213> Homo sapiens

<220>  
<223> Putative P53F/P53.01 motif

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catcatgccc ggctaatttt 20

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<212> DNA  
<213> Homo sapiens



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<212> DNA  
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<220>  
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<223> Putative IKRS/IK2.01 motif

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<220>  
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ggtggctcac gcctg 15

<210> 362  
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<220>  
<223> Putative EBOX/MYCMAX.03 motif

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gccaggcgcg 10

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<220>  
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actgatataa 10

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<220>  
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<220>  
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<400> 365  
 gatataaaaa 10

<210> 366  
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<220>  
 <223> Putative TBP/TATA.01 motif

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<220>  
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<220>  
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aattttaaaaa 10

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<220>  
<223> Putative EBOX/SREBP1.02 motif

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tttctcccca c 11

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<220>  
<223> Putative MZF1/MZF1.01 motif

<400> 370  
agtgggga 8

<210> 371  
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<220>  
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ccccactccc acccccaggc t 21

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<220>  
<223> Putative RREB/RREB1.01 motif

<400> 372  
ccccactccc accc 14

<210> 373  
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<213> Homo sapiens

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<220>
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gggtgggagt ggg                                     13

<210> 374
<211> 12
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<213> Homo sapiens

<220>
<223> Putative AP2F/AP2.01 motif

<400> 374
cacccccagg ct                                     12

<210> 375
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<220>
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ccttataaag cagcctc                               17

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<220>
<223> Putative HAML/AML1.01 motif

<400> 376
tgttgt                                           6

<210> 377
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<212> DNA
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<220>
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<400> 377
gggcccggaa ttgg                                14

<210> 378

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<220>  
 <223> Putative LYMF/THIE47.01 motif

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<210> 379  
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<220>  
 <223> Putative PAX5/PAX5.01 motif

<400> 379  
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<210> 380  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative LTUP/TAACC.01 motif

<400> 380  
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<210> 381  
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 <213> Homo sapiens

<220>  
 <223> Putative PAX5/PAX5.01 motif

<400> 381  
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<210> 382  
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<220>  
 <223> Putative PCAT/CLTR\_CAAT.01 motif

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<210> 383  
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<220>  
 <223> Putative MYOD/MYF5.01 motif

<400> 383  
 aggcagcagg ag

12

<210> 384  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative ETSF/ELK1.01 motif

<400> 384  
 gcagcaggag gtccag

16

<210> 385  
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 <213> Homo sapiens

<220>  
 <223> Putative SMAD/SMAD3.01 motif

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8

<210> 386  
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 <212> DNA  
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<220>  
 <223> Putative GATA/GATA2.02 motif

<400> 386  
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10

<210> 387  
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<220>  
 <223> Putative HMTB/MTBF.01 motif

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<223> Putative EGRF/WT1.01 motif	
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gagagggcgc atc	13
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<223> Putative PERO/PPARA.01 motif	
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ctgaaacagg aaaaaggcag	20
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<211> 14	
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<220>	
<223> Putative GKLF/GKLF.01 motif	
<400> 390	
aaacaggaaa aagg	14
<210> 391	
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<223> Putative NFAT/NFAT.01 motif	
<400> 391	
aacaggaaaa ag	12
<210> 392	
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<220>  
<223> Putative AREB/AREB6.04 motif

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ctgttttcag

9

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<220>  
<223> Putative SORY/SRY.01 motif

<400> 393  
aaaaacaaaa ca

12

<210> 394  
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<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative FKHD/HFH2.01 motif

<400> 394  
aaaaaaacaa aa

12

<210> 395  
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<220>  
<223> Putative EGRF/WT1.01 motif

<400> 395  
gagagggagg gag

13

<210> 396  
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<213> Homo sapiens

<220>  
<223> Putative EGRF/WT1.01 motif

<400> 396  
gagagggagg gag

13

<210> 397

<211> 14  
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<220>  
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<400> 397  
 agagagagag aggg 14

<210> 398  
 <211> 13  
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 <213> Homo sapiens

<220>  
 <223> Putative SP1F/SP1.01 motif

<400> 398  
 ggagggaggg gga 13

<210> 399  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative GKLF/GKLF.01 motif

<400> 399  
 gaaggaggga gggg 14

<210> 400  
 <211> 10  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative OCT1/OCT1.02 motif

<400> 400  
 gatgcacata 10

<210> 401  
 <211> 9  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative EVI1/EVI1.06 motif

<400> 401  
 acaaggtag 9

<210> 402  
 <211> 13  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative TCFF/TCF11.01 motif

<400> 402  
 gtcacccctgc tgt 13

<210> 403  
 <211> 21  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative MINI/MUSCLE\_INI.01 motif

<400> 403  
 tccctcctcc acaccagcag a 21

<210> 404  
 <211> 21  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative NRSF/NRSF.01 motif

<400> 404  
 ttcagcaaca agaatagccg a 21

<210> 405  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative CLOX/CDPCR3.01 motif

<400> 405  
 cagcaacaag aatag 15

<210> 406  
 <211> 25  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative PCAT/CLTR\_CAAT.01 motif



<400> 406  
 cccaagaagc atcctgcagg ctttc 25

<210> 407  
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 <220>  
 <223> Putative BARB/BARBIE.01 motif

<400> 407  
 tcaaaaagca gaaag 15

<210> 408  
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 <212> DNA  
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<220>  
 <223> Putative MEF2/MMEF2.01 motif

<400> 408  
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<210> 409  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative TBPf/TATA.02 motif

<400> 409  
 gcttttaaatt 10

<210> 410  
 <211> 10  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative TBPf/ATATA.01 motif

<400> 410  
 ctatgtatgc 10

<210> 411  
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 <212> DNA  
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<220>  
<223> Putative MYT1/MYT1.01 motif

<400> 411  
catagttaac tg 12

<210> 412  
<211> 10  
<212> DNA  
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<220>  
<223> Putative GATA/GATA3.02 motif

<400> 412  
ctagatgtta 10

<210> 413  
<211> 14  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative FKHD/XFD3.01 motif

<400> 413  
aaggттаaca tcta 14

<210> 414  
<211> 12  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative MYT1/MYT1.01 motif

<400> 414  
aaaggттаac at 12

<210> 415  
<211> 16  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Putative AP4R/TAL1BETA-E47.01 motif

<400> 415  
aaacacagat ggaggc 16

<210> 416

<211> 12  
<212> DNA  
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<220>  
<223> Putative EGRF/EGR1.01 motif

<400> 416  
ttctgtgggc gg 12

<210> 417  
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<220>  
<223> Putative ZFIA/ZID.01 motif

<400> 417  
cggctccagc ctc 13

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<220>  
<223> Putative CREB/TAXCREB.02 motif

<400> 418  
cgggatctgc gggaa 15

<210> 419  
<211> 18  
<212> DNA  
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<220>  
<223> Putative CEBP/CEBP.02 motif

<400> 419  
gatctgcggg aagacacg 18

<210> 420  
<211> 15  
<212> DNA  
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<220>  
<223> Putative E2FF/E2F.01 motif

<400> 420  
tctgcgggaa gacac 15

<210> 421  
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 <212> DNA  
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<220>  
 <223> Putative EBOX/NMYC.01 motif

<400> 421  
 ttccccgtgt ct 12

<210> 422  
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<220>  
 <223> Putative CLOX/CDP.01 motif

<400> 422  
 tcattaatca aa 12

<210> 423  
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<220>  
 <223> Putative HNF1/HNF1.01 motif

<400> 423  
 gattaatgat ttatt 15

<210> 424  
 <211> 18  
 <212> DNA  
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<220>  
 <223> Putative CART/CART1.01 motif

<400> 424  
 gatttatttt gattaacg 18

<210> 425  
 <211> 8  
 <212> DNA  
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<220>  
 <223> Putative RPOA/LPOLYA.01 motif

<400> 425 aaataaat	8
<210> 426 <211> 15 <212> DNA <213> Homo sapiens	
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<400> 426 cgtaaatcaa aataa	15
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<400> 427 tattttgatt aacgccgtca cagt	24
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<400> 428 ctgtgacggc gtta	14
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<400> 429 agggactgct ctaaggcgtc actgtgac	28
<210> 430 <211> 21 <212> DNA <213> Homo sapiens	

<220>  
<223> Putative PAX6/PAX6.01 motif

<400> 430  
cacagtgcgc ccttagagca g

21

<210> 431  
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<220>  
<223> Putative CREB/ATF.01 motif

<400> 431  
cagtgacgcc ttag

14

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<223> Putative WHZF/WHN.01 motif

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11

<210> 433  
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<220>  
<223> Putative FKHD/FREAC4.01 motif

<400> 433  
cccgggtgaa caggga

16

<210> 434  
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<220>  
<223> Putative EGRF/NGFIC.01 motif

<400> 434  
cagcgagggt gg

12

<210> 435

<211> 13  
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 <223> Putative SP1F/SP1.01 motif  
  
 <400> 435  
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 <223> Putative GKLF/GKLF.01 motif  
  
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 <210> 437  
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 <223> Putative PCAT/CLTR\_CAAT.01 motif  
  
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 <210> 438  
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 <223> Putative SP1F/SP1.01 motif  
  
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 <223> Putative RREB/RREB1.01 motif  
  
 <400> 439  
 cccacccga ccaa 14

<210> 440  
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<220>  
<223> Putative TEAF/TEF1.01 motif

<400> 440  
cccattccat ac 12

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<212> DNA  
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<220>  
<223> Putative PAX5/PAX9.01 motif

<400> 441  
aatgggcagg gtggggggga tggg 24

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<220>  
<223> Putative RREB/RREB1.01 motif

<400> 442  
ccccaccctg ccca 14

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<220>  
<223> Putative EGRF/WT1.01 motif

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gggtgggggg gat 13

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<212> DNA  
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<220>  
<223> Putative RREB/RREB1.01 motif



<400> 444  
gccccatcccc ccca 14

<210> 445  
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<212> DNA  
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<220>  
<223> Putative MZF1/MZF1.01 motif

<400> 445  
gggggggga 8

<210> 446  
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<220>  
<223> Putative SP1F/SP1.01 motif

<400> 446  
gatgggcggg gta 13

<210> 447  
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<220>  
<223> Putative SP1F/SP1.01 motif

<400> 447  
gatgggcggg gcc 13

<210> 448  
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<212> DNA  
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<220>  
<223> Putative E2FF/E2F.03 motif

<400> 448  
gcccgggaaa ttc 13

<210> 449  
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<220>
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ggaaattccc cggcgcgggc ag                22

<210> 450
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<212> DNA
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<223> Putative NFkB/NFKAPPAB.01 motif

<400> 450
gggaatttcc                                10

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<212> DNA
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<220>
<223> Putative IKRS/IK1.01 motif

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gccgggggaat ttc                          13

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<212> DNA
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<220>
<223> Putative HEN1/HEN1.01 motif

<400> 452
ctggctgtca gctgagccgc gc                22

<210> 453
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<212> DNA
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<223> Putative AP4R/AP4.01 motif

<400> 453
ctcagctgac                                10

<210> 454

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<211> 13  
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<220>  
 <223> Putative SP1F/SP1.01 motif

<400> 454  
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<210> 455  
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 <212> DNA  
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<220>  
 <223> Putative EGRF/NGFIC.01 motif

<400> 455  
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<210> 456  
 <211> 12  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative EGRF/NGFIC.01 motif

<400> 456  
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<210> 457  
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 <213> Homo sapiens

<220>  
 <223> Putative EGRF/NGFIC.01 motif

<400> 457  
 gggcggcggc gg 12

<210> 458  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative SPIF/SP1.01 motif

<400> 458  
 ggcgggcggc ggc 13

<210> 459  
 <211> 12  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Putative AP2F/AP2.01 motif

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<210> 460  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> repeat element

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 tcatggcttt caattacact taaaaagttg taaaaccatc attacaattc aaatttagta 120  
 tatttccatc atcccccaaa aatcccctcg agttcctttg cagttcaaag ccacccccaa 180  
 tttcaggcaa ctactggtct gatttctgtc tttttctact ttccttttct ggacatttaa 240  
 tgtatatgga gtcatagcat atgtagtctt tggcatctgg g 281

<210> 461  
 <211> 20  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Short repeat element

<400> 461  
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<210> 462  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> ALU repeat element

<400> 462  
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tactgcctgg ctaattttta tatttttagt agagataggg tttcaccatg ttagccaggc 240
tggtcttgaa ctctgacct caaacgatcc tcccaaagtg ctgggattac aggcgtgagc 300
cacgccttg ggcctcttta ctttcttt 328
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<210> 463

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<223> ALU repeat element

<400> 463

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aaatgcaaaa attagcttgg tgtggtggca cacgcctgta atcccagcca cttgggaggc 180
tgaggcagga gaatcactca aaccaggag gtggagattg cagtgagctg agattatgcc 240
actgcactcc agcctgggca acagagtgag actccacctc aaaaaataaa ataaaacctt 300
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